

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 1.5.b Safety Information for Manipulation of Sub-Range B Energized Circuits

Text Pages 2

C-A OPM Procedures in which this Attachment is used.		
1.5		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ ***Signature on File*** \_\_\_\_\_  
 Collider-Accelerator Department Chairman Date

P. Cirnigliaro

## **Safety Information for Manipulation of Sub-range B Energized Circuits**

1. Identify and locate:
  - Power sources and shutoff devices
  - Emergency telephones
2. Establish work area:
  - Notify affected personnel
  - Cordon off work area
3. Remove conductive apparel
4. Review NFPA 70E for proper Personal Protective Equipment.
5. Wear Safety Glasses.
6. Measurement technique:
  - Ground one terminal of tester
  - Measure to ground
  - Use one hand at a time
7. Use “WIGGY” or similar tester to verify voltage levels are < 132Volts RMS AC or 50-300 Volts DC to ground
8. Stop work and report to supervisor in any warning conditions exist
9. STOP if terminal cannot be reached or is not in sight
10. Perform Work
  - Remove one lead at a time
  - Insulate energized unterminated wires
11. To remove fuse, use fuse puller
12. All wires shall be terminated or taped and secured
  - Identify all energized unterminated wires
13. On completion of work:
  - Remove all materials and equipment
  - Close enclosures
  - Remove barriers
  - Notify affected personnel
  - Remove locks and tags
  - Re-energize equipment
  - Report to supervisor